

Amendments to the Specification:

Please replace the paragraph beginning at page 31, line 24 with the following amended paragraph:

Methods for engineering or humanizing non-human or human antibodies can also be used and are well known in the art. Generally, a humanized or engineered antibody has one or more amino acid residues from a source which is non-human, e.g., but not limited to mouse, rat, rabbit, non-human primate or other mammal. These human amino acid residues are often referred to as "import" residues, which are typically taken from an "import" variable, constant or other domain of a known human sequence. Known human Ig sequences are disclosed, e.g., in a number of public databases such as the NCBI database of the National Institute of Health or publications such as www.ncbi.nlm.nih.gov/entrez/query.fcgi; www.atcc.org/phage/hdb.html; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Sequest; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Abcam; www.antibodyresource.com/onlinecomp.html; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Public; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Pedro; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=MGen; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Heidelberg; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=SDIT; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=WhFreeman; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Kuby; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Library; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=HHMI; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PathCam; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=MRC7; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=MikeImages; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=AntibodyResource; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=McBHarvard; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=BioLinks; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=ImmunologyLink; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Pathbox; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=HeCenter; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=BiotechUFL; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PeBioPA; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=NALUSDA; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=AWIC; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Antibody; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=MChimeUAC; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=YasuhitoElisa; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=BiodesignTable; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=ICNetUK; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=AxpFacsDavies; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=BiotechUFL; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=ISACNetSITES_GEO; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Axim1IMTMarburg; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=REKAEPSStart; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=BaservUCIKUNNLJraatsLinks1; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=RecabUNIHD; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=MRCPECAM; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=IMTDocPublic; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=IBTUNAM; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=VIMice; [www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=IMGETenseur](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=IMGTEnseur); www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=BiochemUEL; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=MartinAbsIndex; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=AntibodyBath; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=AbgenCVMTAMULab; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=UnizhHoneggerAHOseminar; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=CrystBBK; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=NIMRMRC; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=CCccaewg; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PathCam; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=TAHHP; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=IBTUNAM; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=StructureStatAIM; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=BioSciMissouri; www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=SmithGP

www.cryst.bioc.cam.ac.uk/~fmolina/Web_pages/Pept/spottech.html;
www.jerini.de/fr_products.htm; www.patents.ibm.com/ibm.html. Kabat et al., Sequences of Proteins of Immunological Interest, U.S. Dept. Health (1983), each entirely incorporated herein by reference.